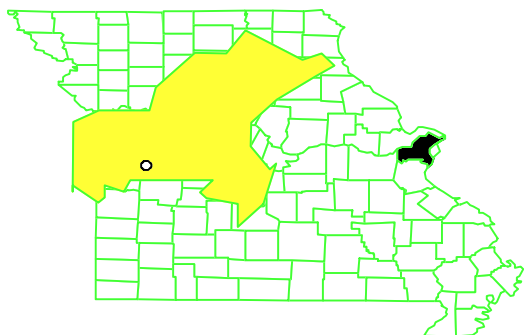


VALLEY PARK TCE
MISSOURI
EPA ID# MOD980968341

EPA Region 7
City: Valley Park
County: St. Louis County
Other Names: TCE Study



SITE DESCRIPTION

The Valley Park TCE site is located within the city limits of Valley Park. The site is a plume of contaminated groundwater in the Meramec River alluvial aquifer. In 1982, the Missouri Department of Natural Resources (MDNR) detected a number of volatile organic chemicals (VOCs) including trichloroethylene (TCE), tetrachloroethene (PCE), and trichloroethane (TCA) in all three municipal water supply wells serving the community. Private wells within the vicinity of the site also are contaminated with VOCs. However, area private wells reportedly are used only for industrial purposes. Possible sources of contamination include the industries located in Valley Park. One source has been identified, but not all contaminants in the groundwater can be attributed to the responsible party. There were approximately 3,000 people in the community who had obtained drinking water from the affected groundwater.

Site Responsibility:

This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date: 04/10/85

Final Date: 06/10/86

Deleted Date:

THREATS AND CONTAMINANTS

Description: The groundwater and soil located at the source are contaminated with VOCs including TCE, PCE, and TCA. Drinking water from the contaminated aquifer poses a

potential health threat to area residents using polluted groundwater resources.

CLEANUP APPROACH

Response Action Status

Immediate Actions: In 1986, Valley Park installed aeration equipment at its water treatment plant to remove the VOCs that had been detected in the drinking water. In 1989, Valley Park was connected to the St. Louis County public water system, which now supplies its drinking water. Since Valley Park was connected to the County public water system, the residents no longer are using contaminated water for domestic purposes. In 1990, a potentially responsible party removed 331 cubic yards of PCE- and TCE-contaminated soil and backfilled the area. The predetermined cleanup levels were not attained; however, planned studies and future activities were expected to attain the cleanup levels.

Groundwater: Under supervision by the MDNR, one of the potentially responsible parties, Wainwright Industries, agreed to conduct a site investigation on their property. In the fall of 1994, EPA selected a remedy for cleanup of part of the site (Wainwright area). The remedy includes: limited soil excavation; soil vapor extraction and after 5 years, additional soil excavation if needed; air sparging to accelerate the soil cleanup; groundwater extraction, and treatment by air stripping; discharge of treated groundwater into the public sewer system; and groundwater monitoring. During negotiations with Wainwright, MDNR and EPA agreed to modify the remedy by replacing in-situ soil vapor extraction with ex-situ soil vapor extraction and deleting the air-sparging. This change was completed in 1996 with a Explanation of Significant Differences (ESDs) document. Wainwright signed a consent decree with MDNR in 1996 to implement the remedy.

The investigation for the remainder of the site began in 1997 and is scheduled to be completed in 2000, at which point EPA and MDNR will select a remedy for final cleanup.

Description:

Site Facts:

ENVIRONMENTAL PROGRESS



By connecting the public water supply to the County water system and removing contaminated soil, the potential for exposure to contaminated drinking water or soil was reduced at the Valley Park TCE site while final cleanup remedies were planned. The design for the Wainwright source was completed in 1998. Implementation began in 1998, and construction activities will be completed in 1999. Several sampling events were conducted in 1998-1999 for the groundwater study for the remainder of the site. The contractor was retained by MDNR in 1999.

SITE REPOSITORY



Valley Park City Library, 320 Benton
Street, Valley Park, MO 63088

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

E-MAIL ADDRESS:

Steve Auchterlonie
auchterlone.steve@epa.gov
(913) 551-7778

COMMUNITY INVOLVEMENT

COORDINATOR:

PHONE NUMBER:

Hattie Thomas
(913) 551-7762

PUBLIC INFORMATION CENTER:

E-MAIL ADDRESS:

STATE CONTACT:

Dave Mosby
(573) 751-1288

PHONE NUMBER:

MISCELLANEOUS INFORMATION

STATE:

PACIFIC ISLAND(S):

077F

CONGRESSIONAL DISTRICT:

02

EPA ORGANIZATION:

SFD-MOKS

MODIFICATIONS